

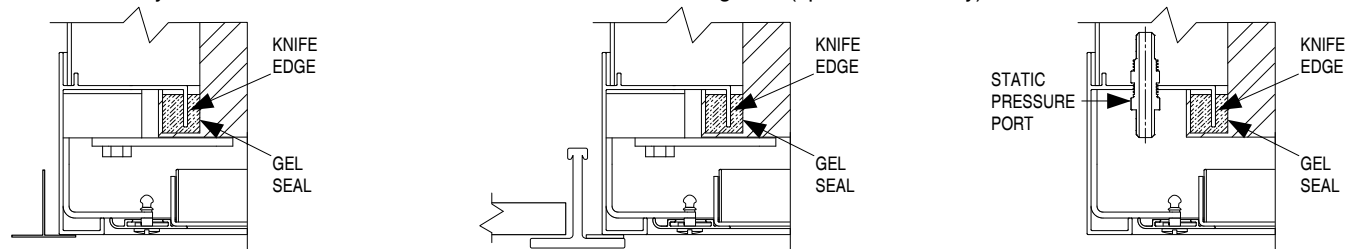
DIMENSIONAL DATA

Ceiling Module Size	Imperial Units (Inches)				Metric Units (mm)			
Imperial Modules	A	B	C	Optional Duct Sizes D	A	B	C	Optional Duct Sizes D
24 x 24	23 11/16	23 11/16	12 5/8	08, 10 12, 14	602	602	321	203, 254 305, 356
36 x 24	35 11/16	23 11/16	12 5/8		904	602	321	
48 x 24	47 11/16	23 11/16	12 5/8		1211	602	321	

TYPE L Lay-in T-Bar Detail

SMFG Surface mount frame w/ gasket (optional accessory)

SPP Standard



DESCRIPTION:

Nailor 92FFU Fan Filter Units have been designed to supply HEPA/ULPA filtered air to a cleanroom environment in a very efficient manner. The incredibly quiet units offer one of the highest CFM outputs on the market. The units are intended for use in cleanroom applications such as microelectronics, pharmaceutical, biotechnology as well as aerospace manufacturing/assembly and laser/optic industries. All 92FFU series consist of an aluminum welded plenum and fan/motor assembly to ensure a repeatable, rigid, clean and near leak free design, meeting the most stringent of current leak tests. ECM technology provides an ultra-energy efficient design. Filters are secured within the plenum against a continuous knife edge that contacts the gel channel of the filter, providing a leak proof seal. Filters are protected by a perforated hinged face held close by quarter turn fasteners.

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Page 1 of 2
 Dimensions are in inches (mm).

DATE	B SERIES	SUPERSEDES	DRAWING NO.
3 - 13 - 24	9200	NEW	92FFU



**FAN FILTER UNIT • CRITICAL ENVIRONMENT
APPLICATIONS • ALUMINUM FRAME AND PLENUM
ECM • HEPA / ULPA FILTER
MODEL: 92FFU**



STANDARD FEATURES:

1. Aluminum frame and perforated face with 3/16" (5) dia. holes on 60° 1/4" (6) staggered centers (51% free area). The face plate is hinged for cleaning, filter replacement, and is secured by two 1/4 turn fasteners.
2. Internal fiber free insulation to reduce sound levels.
3. Eyebolts for ceiling suspension.
4. Plenum and face in Appliance White paint finish.
5. High efficiency EC motor (ECM).
6. Face accessible 3/8" (10) diameter SPP/PAO sample port.
7. Roomside removable HEPA filter (2" media) (99.99% on 0.3 µm).
8. QF Toggle disconnect switch.
9. ETL Listed & Tested to UL 507 Standard.
10. Lay-in T-Bar mounting (Up to 1 1/2" (38) wide)
11. MERV 8 pre-filter. (Standard for non-ducted applications.)
12. Standalone Universal Control Card (UCC)
 - Manual Mode: Onboard trim potentiometer adjustment
 - Analog Mode: 0 – 10 VDC Input
 - Network Mode: Modbus RTU
13. Open plenum square inlet.
14. Topside removable motor/blower.
15. Walkable plenum up to 250 lbs.

OPTIONS:

Ceiling Module Size (inches):

- 24 x 24
- 36 x 24
- 48 x 24

Inlet Size (inches):

- 08 8" dia. round collar
- 10 10" dia. round collar
- 12 12" dia. round collar
- 14 14" dia. round collar

Fan Wheel Type:

- FC Forward Curved (std. eff.)
- BC Backward Curved (high eff.)

Fan Motor Voltage:

- V18 120V ECM
- V19 208V ECM
- V20 240V ECM
- V21 277V ECM

EC Motor Program:

- CF Constant Flow (default for FC blower)
- CT Constant Torque (default for BC blower)

Control:

- LAN Local Area Network (Modbus)

Motor/Blower Access:

- RTMB Roomside and topside removable

Filter Efficiency:

- ULP2 ULPA (2" media) (99.9995% on 0.12 µm)
- NFTR No Filter (order separately)

Plenum Finish:

- PBW British White
- PMI Mill

Face Finish:

- FBW British White
- FMI Mill

Pre-Filter:

- NPF No Pre-filter (default for ducted inlet)
- PF8H MERV 8 w/ side access housing (ducted)
- PFW Washable
- PFWH Washable w/side access housing (ducted)

ACCESSORIES

Motor Run Indicator:

- MRI Face mounted LED light (green)

Loaded Filter Indicator:

- LFI Face mounted LED light (red)

Continuous Filter Monitoring:

- CFM1 Transducer (Modbus)
- CFM2 Transducer (0-10 Vdc terminal block)

PAO Challenge:

- AICP Aerosol Injection Challenge Port (1/2" (13) dia.)

Mounting Accessory:

- SMFG Surface mount frame w/gasket (ships separately)
(See separate submittal 92FFU-SMFG)

Control Option:

- WMK Wall Mount Speed Control Kit
(one per unit. Standalone)

SCHEDULE TYPE:		Page 2 of 2			
PROJECT:		Dimensions are in inches (mm).			
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